

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: H. Michael SHEPARD, et al.

Title: ENZYME CATALYZED  
THERAPEUTIC  
COMPOUNDS

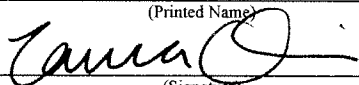
Appl. No.: 10/681,418

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Art Unit: 1623

Confirmation Number: 7416

<b>CERTIFICATE OF ELECTRONIC TRANSMISSION</b> I hereby certify that this paper is being electronically transmitted to the United States Patent and Trademark Office, Alexandria, Virginia via EFS-Web on the date below.
Laura Davis (Printed Name)
 (Signature)
January 23, 2008 (Date of Transmission)

**AMENDMENT AND REPLY UNDER 37 CFR § 1.116**

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Amendment and Reply is responsive to the Final Office Action issued by the U.S. Patent and Trademark Office on October 23, 2007, in connection with the above-identified application. A response to this Final Office Action is due January 23, 2008. Accordingly, this Amendment and Reply is timely filed.

**Amendments to the Specification** begin on Page 2 of this document.

**Amendments to the Claims** begin on Page 3 of this document.

**Remarks/Arguments** begin on Page 9 of this document.